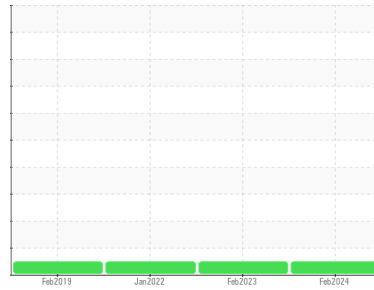




FUEL REPORT

Sample Rating Trend



NORMAL



Area

[PMIAS53286198]

Machine Id

GENERAC 1156799010 2104933B

Component

Diesel Fuel

Fluid

No.2 DIESEL FUEL (LOW-SULPHUR) (15 GAL)

DIAGNOSIS

Recommendation

All laboratory tests indicate that this sample meets specifications for No.2 low-sulfur diesel fuel.

Corrosion

All metal levels are normal indicating no corrosion in the system.

Contaminants

The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. There is no indication of any contamination in the fuel.

Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation.

| SAMPLE INFORMATION | | method | limit/base | current | history1 | history2 |
|--------------------|-------------|-------------|------------|--------------------|-------------|-------------|
| Sample Number | Client Info | | | DC0033096 | DC0019555 | DC0019297 |
| Sample Date | Client Info | | | 22 Feb 2024 | 14 Feb 2023 | 13 Jan 2022 |
| Machine Age | hrs | Client Info | | 0 | 185 | 177 |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

| PHYSICAL PROPERTIES | | method | limit/base | current | history1 | history2 |
|---------------------|--------|-------------|------------|-------------|----------|----------|
| ASTM Color | scalar | *ASTM D1500 | | L3.0 | L3.5 | L2.0 |
| Visc @ 40°C | cSt | ASTM D445 | 3.0 | 2.5 | 2.37 | 2.46 |

| SULFUR CONTENT | | method | limit/base | current | history1 | history2 |
|----------------|-----|-------------|------------|-----------|----------|----------|
| Sulfur | ppm | ASTM D5185m | 250 | 5 | 0 | 2 |
| Sulfur (UVF) | ppm | ASTM D5453 | | 41 | 25 | 22 |

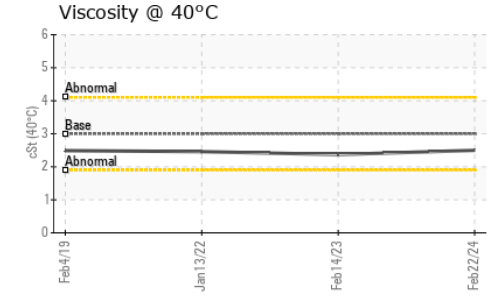
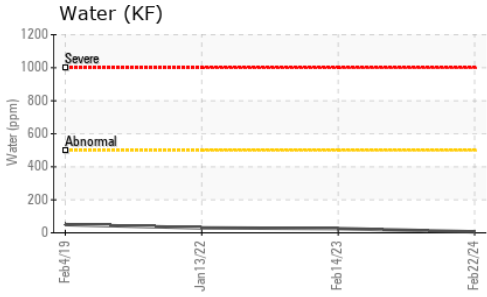
| IGNITION QUALITY | | method | limit/base | current | history1 | history2 |
|------------------|--|------------|------------|-------------|----------|----------|
| API Gravity | | ASTM D7777 | 37.7 | 36.9 | 36.9 | 36.8 |

| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
|--------------|-----|-------------|------------|--------------|----------|----------|
| Silicon | ppm | ASTM D5185m | <1.0 | 0 | 1 | 0 |
| Sodium | ppm | ASTM D5185m | <0.1 | <1 | <1 | 0 |
| Potassium | ppm | ASTM D5185m | <0.1 | 0 | 0 | 0 |
| Water | % | ASTM D6304 | <0.05 | 0.001 | 0.003 | 0.003 |
| ppm Water | ppm | ASTM D6304 | <500 | 6 | 25.8 | 30.0 |
| % Gasoline | % | *In-House | <0.50 | 0.0 | 0.0 | 0.0 |
| % Biodiesel | % | *In-House | <20.0 | 0.0 | 0.0 | 0.0 |

| FLUID CLEANLINESS | | method | limit/base | current | history1 | history2 |
|-------------------|--|--------------|------------|---------|----------|----------|
| Particles >4µm | | ASTM D7647 | >2500 | --- | 453 | 905 |
| Particles >6µm | | ASTM D7647 | >640 | --- | 125 | 270 |
| Particles >14µm | | ASTM D7647 | >80 | --- | 13 | 31 |
| Particles >21µm | | ASTM D7647 | >20 | --- | 3 | 8 |
| Particles >38µm | | ASTM D7647 | >4 | --- | 0 | 0 |
| Particles >71µm | | ASTM D7647 | >3 | --- | 0 | 0 |
| Oil Cleanliness | | ISO 4406 (c) | >18/16/13 | --- | 16/14/11 | 17/15/12 |

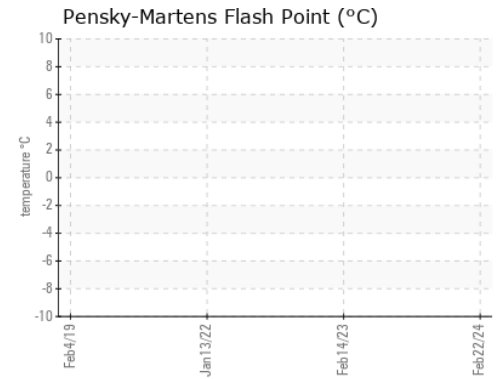
| HEAVY METALS | | method | limit/base | current | history1 | history2 |
|--------------|-----|-------------|------------|----------|----------|----------|
| Aluminum | ppm | ASTM D5185m | <0.1 | 0 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | <0.1 | 0 | 0 | 0 |
| Lead | ppm | ASTM D5185m | <0.1 | 0 | 0 | 0 |
| Vanadium | ppm | ASTM D5185m | <0.1 | 0 | <1 | 0 |
| Iron | ppm | ASTM D5185m | <0.1 | 0 | 0 | 0 |
| Calcium | ppm | ASTM D5185m | <0.1 | 1 | 0 | 0 |
| Magnesium | ppm | ASTM D5185m | <0.1 | 0 | <1 | 0 |
| Phosphorus | ppm | ASTM D5185m | <0.1 | 0 | 0 | 0 |
| Zinc | ppm | ASTM D5185m | <0.1 | 0 | 0 | 0 |

FUEL REPORT



| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|---------|----------|----------|
| Color | | | | | |
| Bottom | | | | | |

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0033096
Lab Number : 06122859
Unique Number : 10937010
Test Package : MOB 1 (Additional Tests: API, Cetane, Color-ASTM, Fuel, GC-PercFuel, KF, PrtCoun

Received : 19 Mar 2024
Tested : 07 Apr 2024
Diagnosed : 07 Apr 2024 - Doug Bogart

KELLY GENERATOR & EQUIPMENT INC
 1955 DALE LN
 OWINGS, MD
 US 20736
 Contact: LESLIE SNURR
 LSNURR@KGE.COM

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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